

CLAIMS

1. Process for the manufacture of an easy open device for "Flow Pack" or similar packages with longitudinal seams and transversal closings, constructed horizontally or vertically, with a detachable strip, attached and aligned on the internal face of the packaging film by means of an applicator head, to be manually grasped and to result in the tearing of said packages, which includes the steps of:

- attaching said strip transversally to the machine direction on the internal face of the packaging film, and
- producing a cut on at least one end of said detachable strip to generate a tear area.

2. Process according to claim 1, wherein said tear area generates an upper flap between said tear area and said closest transversal closure.

3. Process according to claim 1, wherein said

cut is accomplished by means of at least one incision parallel to the detaching strip and on the longitudinal seam.

4. Process according to claim 1, wherein said cut is accomplished by means of a through cut on one end of the detaching strip, both being attached to an easy open/close element that blocks said through cut and said end of said detaching strip.

5. Process according to claim 4, wherein the part of the surface of said easy open/close element which blocks said through cut and said end of said detaching strip is self-sticking and reclosable.

6. Process according to claim 4, wherein the part of the surface that can be grasped by the consumer of said easy open/close element contains no adhesive.

7. Process according to claims 2 and 4, wherein said upper flap is folded over on itself and over the tear area, attaching to one of the faces of said package across the self-stick part of the surface

2006-03-09 10:00:00

of said easy open/close element (to produce its closure).

8. Process according to claim 1, wherein said detachable strip is affixed to the packaging film off the package production line.

9. Process according to claim 1, wherein said detachable strip is affixed to the packaging film on the package production line.

10. Process according to claim 1, wherein said aligned attachment on the internal face of said package includes the steps of:

- inputting the position of said detaching strip on said package in the control logic,
- optically reading the alignment for said packaging film in motion,
- transmitting the information to said applicator head regarding said detaching strip,

- detaching, by means of said applicator head, said detaching strip from said siliconed material that supports it,
- affixing, by means of said applicator head, said detaching strip to said internal face of said packaging film.

11. Easy open device for "Flow Pack" or similar packages with longitudinal seams and transversal closures, with at least two faces, one frontal and the other posterior, constructed horizontally or vertically, possessing a detaching strip with one of its faces printed, obtained through the process referred to in claim 1, wherein on the internal face of at least one of said faces of said package there is attached, transversally to the machine direction, said detaching strip being not longer than the width of the package, which in turn defines a tear area on said package.

12. Easy open device according to claim 11, wherein said printed face of said detaching strip (occluded printing) is fixed with adhesive to said internal face of said packaging film.

13. Easy open device according to claim 11, wherein said detaching strip has one of its ends located on said longitudinal seam on which at least one incision is made parallel to said detaching strip (to facilitate the tearing of the packaging film).

14. Easy open device according to claim 11, wherein said detaching strip has at least one of its ends positioned in an area where there is a through cut and, both being attached in turn to an easy open/close element that blocks said through cut and said end of said detaching strip (to facilitate tearing of said detaching strip).

15. Easy open device according to claim 11, wherein said tear area creates an upper flap between said tear area and said nearest transversal closure.

16. Easy open device according to claims 14 and 15, wherein said upper flap folds over on itself and over the tear area, attaching to one face of said package across the self-stick part of the surface of said easy open/close element (to

produce its closure).

17. Packages that have longitudinal seams and transversal closures, constructed horizontally or vertically, wherein they have the easy open device referred to in clauses 11 to 16.